

Abstract of the Disclosure:

Data signals are transmitted from and/or to household appliances between a first transceiver device and a second transceiver device via an AC power supply line system within a transmission frequency range that exceeds the frequency of the AC power supply. The respective transceiver device is connected to the AC power supply line system by way of a filter array having a power supply low pass filter connected in the input circuit of a power supply unit of the associated transceiver device and is provided with an impedance curve such that its impedance in the transmission frequency range has a value that is at least twice as high as the impedance of the AC power supply line system in the transmission frequency range.